Ethernet Extension Experts

Enable-IT 860C
Ethernet Extender Kit
User Manual

All Rights Reserved ©1997 - 2011 ENABLE-IT™ - Proprietary and Confidential

Copyright © 1997- 2011 Enable-IT, Inc. All rights reserved. No part of this documentation may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from Enable-IT, Inc.

Enable-IT, Inc reserves the right to revise this documentation and to make changes in content from time to time without obligation on the part of Enable-IT, Inc to provide notification of such revision or change.

Enable-IT, Inc provides this documentation without warranty, term, or condition of any kind, either implied or expressed, including, but not limited to, the implied warranties, terms or conditions of merchantability, satisfactory quality, and fitness for a particular purpose. Enable-IT, Inc may make improvements or changes in the product(s) and/or the program(s) described in this documentation at any time.

If there is any software on removable media described in this documentation, it is furnished under a license agreement included with the product as a separate document, in the hard copy documentation. If you are unable to locate a copy, please contact Enable-IT, Inc and a copy will be provided to you.

UNITED STATES GOVERNMENT LEGEND
If you are a United States government agency, then this documentation and the software described herein are provided to you subject to the following:

All technical data and computer software are commercial in nature and developed solely at private expense. Software is delivered as "Commercial Computer Software" as defined in DFARS 252.227-7014 (June 1995) or as a "commercial item" as defined in FAR 2.101 (a) and as such is provided with only such rights as are provided in Enable-IT, Inc's standard commercial license for the Software.

Technical data is provided with limited rights only as provided in DFAR 252.227-7015 (Nov 1995) or FAR 52.227-14 (June 1987), whichever is applicable. You agree not to remove or deface any portion of any legend provided on any licensed program or documentation contained in, or delivered to you in conjunction with, this User Guide.

Unless otherwise indicated, Enable-IT, Inc registered trademarks are registered in the United States and may or may not be registered in other countries

CONTENTS

ABOUT THIS GUIDE **4**

1 INTRODUCING THE ENABLE-IT 860 ETHERNET EXTENDER KIT **5**
- About the 860 Rev E Ethernet Extender Kit 5
- Key Benefits 6
- Summary of Features 6
- Typical Use Applications 7

2 INSTALLING THE ENABLE-IT 860 ETHERNET EXTENDER UNITS **8**
- Site Plan – Installation Design Considerations 8
- Unpacking the 860 Ethernet Extender Kit 9
- Perform an out of the box Test 9
- Performing the On-Site Installation 9
- Mounting the 860 Ethernet Extender Kit 10
- Building the 860 Interlink wiring 10
- Attaching cabling and devices 10
- Troubleshooting & Performance Settings (DIP switch) 11

3 TECHNICAL SUPPORT
- Online Technical Services 11
- World Wide Web Site 11
- Returning Products for Repair 11

4 ENABLE-IT INC. LIMITED WARRANTY **12**

5 CONTACT US **14**

ABOUT THIS GUIDE

This guide provides all the information needed to install and use the Enable-IT 860 Ethernet Extender Kit. This guide is intended for use by technicians who are responsible for installing and setting up network equipment. Consequently, it is assumed that the installer has a basic working knowledge of LANs (Local Area Networks) and voice telecom wiring.

If the information in the release notes that are shipped with your product differs from the information in this guide, follow the instructions in the release notes.

Most user guides and release notes are available in Adobe Acrobat

Reader Portable Document Format (PDF) or HTML on the Enable-IT World Wide Web site: http://www.ethernetextender.com/manuals/860C Manual.pdf

INTRODUCING THE 860C ETHERNET EXTENDER KIT

Congratulations on purchasing the Enable-IT's 860C Ethernet Extender Kit — the simplest method to stretch your broadband solutions for in-building deployment in commercial office buildings, hotels, and multi-tenant residential units.

The 860C Extended Ethernet Unit offers the Lowest Cost Solution in a simple design for rapid install using existing RG58/RG6 coaxial cable and 2-pair Category wiring or better.

This chapter contains introductory information about the 860C Extended Ethernet Unit and how it can be used in your network. It covers the following topics:

- About the 860C Extended Ethernet Unit
- Key Benefits
- Summary of Features
- Typical Applications

About the 860C Extended Ethernet Kit

The 860C Extended Ethernet Kit solves the problem of high costs associated with stretching your backbone with traditional fiber or a series of hubs/repeaters.

In many office buildings, preferred network access is a dedicated Ethernet line, however Ethernet over twisted pair wiring has its distance limitations of just 328 ft. In order to drive Ethernet signal further, one would have to add repeaters to each segment of 328ft twisted pair cabling; this is often insufficient and to costly in multi-story buildings. Fortunately, the Enable-IT 860C Series Extended Ethernet can push the reach of Ethernet to more than (20) twenty times the typical Ethernet distance over RG58/RG6 coaxial cabling and 2-pair Category wiring infrastructure or better.
A simple design methodology would be to think of the 860C extending a standard Ethernet line up to 6,000 (1,828m) with a (4) Port 10/100 Ethernet switch and can also include dual voice lines simultaneously.

To increase the durability and extended use of the product providing maximum future technology protection, 860C Extended Ethernet Unit meets the challenge of modern switched LANs and allows you to add features and capacity as your network expands. The Enable-IT 860C Extended Ethernet has been tested to provide full duplex transport up to 100MB/s over CAT5e cabling or BNC coaxial cabling.

Unit Model	Wiring	LAN Data Rate	Max. Distance
860	(2) pair CAT 3 up to CAT 6	100Mbps FD	6,000ft / 1,828m

Up to 1,313ft (400m) - 100Mbps
1,400ft (426m) to 2,624ft (800m) - 90Mbps
Up to 6,000ft (1,828m) - 40Mbps

* Actual data rate will vary on the quality of the copper wire, twisted pair and environmental factors

Key Benefits

The following list identifies the 860C Extended Ethernet Unit key benefits.

- Dramatic cost reduction over any competing technology and includes a (4) Port 10/100 LAN switch on each end.
- Broadband technology that delivers in-building Ethernet access over 2 pair of existing UTP Category 3, 4, 5, 5e or 6 wiring up to 6,000', whether spare or actively in use for analog or digital voice. This means no new wiring is required.
- Provides one scalable infrastructure for Internet access, POTS, VoIP, video, and virtual private networking.
- Rapid installation with small box profile, no programming and no firmware to upgrade.
- Low profile box with dual POTS line and Ethernet data all in a single RJ-45 Ethernet jack (Interlink port).
- Quad switched LAN RJ-45 10/100 Ethernet ports for expansion without adding a hub or switch on each end.

Summary of Features

The Enable-IT 860C Extended Ethernet Kit has the following hardware features:

- Extended Ethernet line over existing CAT 3 up to CAT5e / CAT6 wiring
- Uses RJ-45 Interlink port for transport (Dual voice, 100Mbps data and PoE)
- BNC Coaxial Interlink port for 100Mbps data and PoE
- Rapid Telco style installation – no programming required
- Supports digital VoD channels and Maintains existing telephone (lifeline POTS)
- Drives Ethernet 100 Mbps full-duplex service delivery with quad LAN switch, dual voice up to 6,000ft or 1,829m - can also transport PoE up to 1,500ft natively.
- Network Equipment independence – Transparent to protocols/applications/MAC

Specifications:

Power Indicator
100Mbps Link status/Activity
VDSL2 Link Status/Activity

Dimensions:

Height: 1.5" (38mm)
Depth: 3.75" (95mm)
Width: 5.75" (146mm)

Environment

Operating temp: -49°F to 168°F (-45°to 76°C)
Storage temp: -49°F to 168°F (-45°to 76°C)
Humidity 5% to 95%, non-condensing

Functionality:

Data Rates 100Mbps Full Duplex
Full Duplex/Half Duplex status/Collisions
Protocol independent

860 Interlink port pins:

Pins 1 & 2 – Voice line 1 and Data
Pins 3 & 6 – Voice line 2(optional)
Pins 4 & 5 – optional support for PoE
Pins 7 & 8 – optional support for PoE

Interfaces

(1) 5v 2A DC Power Adapter 2.1mm
(1) BNC Coaxial Interlink Port
(4) RJ-45 100MB LAN Auto negotiate

Typical Use Applications

Enable-IT 860C Extended Ethernet Units are usually installed into telephone wiring infrastructures where extension of backbone services is required and expensive fiber options are prohibitive. The 860C Extended Ethernet Units allow a standard Ethernet segment to be deployed quickly over existing 2-pair Category Copper Wiring in combination with existing POTS voice signals. The 860C Interlink port (RJ-45 interface) carries this 2-pair signaling over the RJ-45 pins (1, 2, 3, & 6) - used for transport for both voice and data. The remaining pins 4, 5, 7, & 8 can transport native 802.3af PoE or are unused. Quad LAN RJ-45 10/100 autosensing ports allow the use of LAN devices without adding an Ethernet hub or switch to either end. Provided are two BNC Coaxial Interlink ports for use with RG58/RG6 coaxial cabling.

Installers have the convenience of a 100Mbps LAN Ethernet unit for peace of mind connectivity and no device maintenance. Rapid installation allows for minimal interruption and the Broadband technology allows for investment protection up to 10 -15 years with no firmware or replacement issues. Bandwidth can be scaled according to the Broadband Access Provider needs. The 860C Extended Ethernet Unit is a passive device so interruption of Internet service does not affect POTS services. Carriers and Access Providers can come and go, but the 860C Extended Ethernet Unit technologies continue to provide lasting value such as the other utilities like water, gas and electricity.

The Enable-IT 860C Extended Ethernet Unit is suited for the following key environments:

- **Commercial Buildings (Multi-Tenant Units)**
- **Business Parks (Multi-Tenant Units)**
- **Apartments (Multi-Residential Units)**
- **Hotels (Multi-Hospitality Units)**
- **Business Suites (Multi-Hospitality Units)**
- **School Campuses (University, K-12)**
- **College Housing (Multi-Residential Units)**
- **Mining Operations – Quarries, Mine shafts**
- **Nautical Infrastructure – Cruise ships, Marinas, dive operations, subs**
- **Video Surveillance/Security**
- **WiFi Deployment – ISP's, RV Parks, Construction sites**
- **Manufacturing – Foundries, pharmaceutical, aerospace, automotive, petroleum, concrete plants, etc.**
- **Retail POS – Department stores, Bars, restaurants, retail spaces**
- **Government – Naval ships, FEMA, Housing, USGS, National Parks, Forestry, Research stations, NASA, utilities, etc.**
- **Education – outdoor camps, college campuses**
- **Healthcare – Hospitals, elder care, outpatient facilities**
- **Entertainment – Movie theaters, home entertainment, fairs, outdoor venues**

INSTALLING THE 860C EXTENDED ETHERNET KIT

The Enable-IT 860C Extended Ethernet Units have a distance restriction of 6,000ft or 1,828m over 2-pair of Category 3 up to Category 5e / CAT6 wiring from device extension to device extension. Therefore quick, simple site surveys and installation planning are highly recommended.

This chapter describes the recommended installation process for the Enable-IT 860C Extended Ethernet Unit. It covers the following topics:

- Site Plan – Installation Design Considerations
- Unpacking the Enable-IT 860C Extended Ethernet Kits
- Perform an out of the box Test
- Performing the On-Site Installation

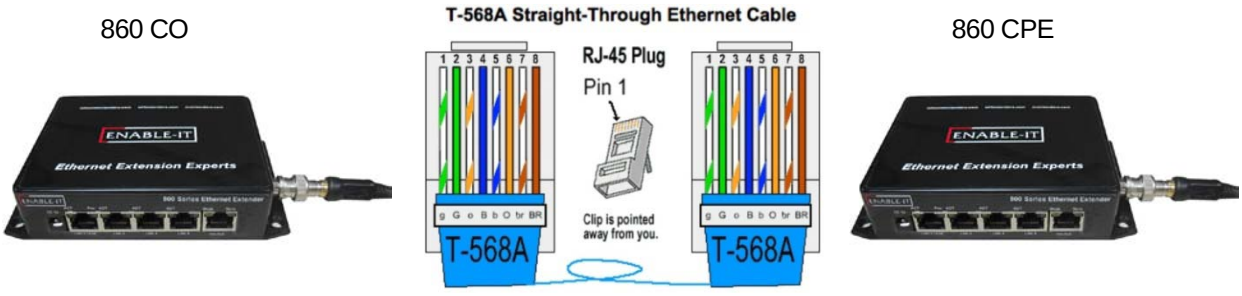
Site Plan - Installation Design Considerations

The planning process should involve a site walkthrough and discovery survey. Electrical Cable measurement tools are the most reliable method to determine the longest run of hidden wiring. Estimate the best locations to position the Broadband Concentrators to adequately reach desired connectivity on each floor. Document your findings to use in designing a network topology to support the Ethernet Switches and backbone connectivity. Key points to remember in the Site Survey.

- Total distance limitation of 6,000ft or 1,829m from end to end.
- BNC Coaxial RG58/RG6 cabling, 2 Pair CAT-3 wiring, 4-pair Cat5e .30 Gage or better cabling is required for the 860C Interlink transmission.

For the Interlink wiring you can use either RJ-45 or BNC Coaxial connectors. Crimp a RJ-45 Male Head to each end of the contiguous wire run and using the following pins (1 & 2) straight through. This will deliver 1 Voice line, Ethernet Data. If you desire to use the second voice line, you can also use pins (3 & 6) on each end straight through.

The 860C Interlink port (BNC Coax interface) carries this 2-pair signaling over the RG58/RG6 pins (1, 2, 3 & 6) - used for transport for both voice and data. The remaining pins 4, 5, 7 & 8 are can transport native PoE or are unused. BNC Coaxial Interlink ports are provided for use with RG58/RG6 coaxial cabling.



Unpacking the Enable-IT 860C Extended Ethernet Kit

Carefully remove the Enable-IT 860C Extended Ethernet Kits all packing materials from the box. Verify that the items listed below are present. Make sure that the equipment supplied matches what you ordered. If any items are missing or damaged, please contact Enable-IT or your distributor for assistance.

- (2) The Enable-IT 860C Extended Ethernet Units (CO & CPE)
  - o 5v AC/DC Country Specific Power adapter
  - o 10' Black Ethernet LAN patch cables
- (1) Enable-IT 860C Extended Ethernet Kit User Manual (this manual)

Perform an out of the box Test

We highly recommend a quick test to ensure the working order of you 860C units. To do this, please use one of the Ethernet patch cords provided and attach to the 860C Interlink port of each 860C unit. Power up both 860C units. The Green Sync LEDs will start flickering slowly and then fast as the units talk to eachother. After a few seconds you should see a solid Green Interlink Sync LED on each unit to confirm a link is established. This confirms basic proper operation of the units. Next for a more detailed test and to confirm your LAN Equipment works with the 860C, connect your Ethernet LAN and remote device to the 860C LAN ports and test connectivity. The Green Interlink Sync LED will pulse rapidly as it detects traffic.

LED indicators will provide visual operational status of the 860C units.

Sync - Slow to fast flicker on power up – indicates negotiation of a link.
Solid Green LED indicates link established and rapid pulse is traffic.
Pwr - Solid Green LED indicates that both units are receiving 5v power.
Mode - Solid Yellow LED on CPE unit only – No LED lit on CO
ACT - Yellow LEDs – Lit solid indicates the presence of local LAN
– Blinking indicates the presence of local LAN traffic

Performing the On-Site Installation

After removing the Enable-IT 860C Extended Ethernet Kit from the box and performing the out of the box testing all that remains to install the unit on-site is to mount the unit, build the interconnect wiring, add voice lines if needed and attach the LAN device cabling with the provided Ethernet Patch cords.

❶ Mounting the Enable-IT 860C Extended Ethernet Units

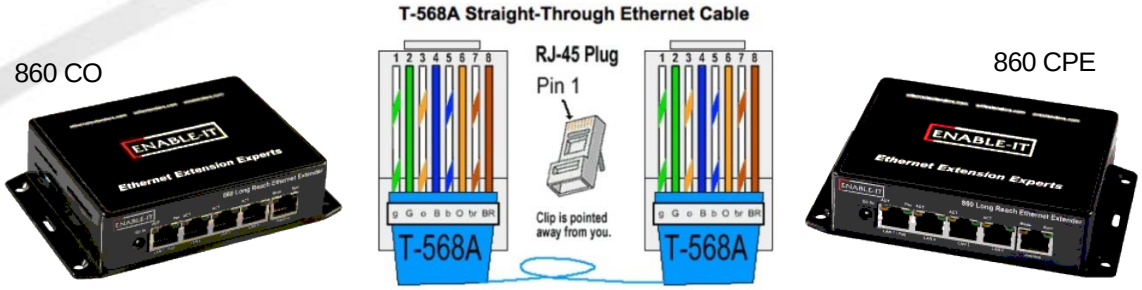
The Enable-IT 860C Extended Ethernet Kits are designed for quick wall mounting. Choose a location to mount each of the Enable-IT 860C's where the maximum distance does not exceed 6,000ft or 1,829m total between devices to be connected. When wall-mounting the Enable-IT 860C Extended Ethernet Kit it is recommended that you use the appropriate screw anchors for your mounting surface. If mounting on existing plywood use wood screws; if mounting onto drywall or sheetrock, use plastic drywall anchors to secure your installation.

❷ Building the 860C Interlink wiring

The most important aspect of the install is the correct wiring of the Interlink cabling. For the Interlink wiring you can use either RJ-45 or BNC Coaxial connectors. Crimp a RJ-45 Male Head to each end of the contiguous wire run and using the following pins (1 & 2) straight through. This will deliver 1 Voice line, Ethernet Data. If you desire to use the second voice line, you can also use pins (3 & 6) on each end straight through.

The 860C Interlink port (BNC Coax Interface) carries this 2-pair signaling over the RG58/RG6 pins (1, 2, 3 & 6) - used for transport for both voice and data. The remaining pins 4, 5, 7 & 8 are can transport native PoE or are unused. BNC Coaxial Interlink ports are provided for use with RG58/RG6 coaxial cabling.

The 860 Interlink port (RJ-45 interface) carries this 1-pair signaling over the RJ-45 pins (1 & 2) - used for transport for both voice and data. If you use more than 1-pair of wiring such as a CAT5 segment, the RJ-45 pins (3 & 6) are used for Voice line 2 and the remaining pins 4,5,7 & 8 are can transport native PoE or are unused.



❸ Attaching cabling and devices to the Enable-IT 860C Extended Ethernet Kit.

Attach your remote LAN device to the 860C CPE unit LAN ports with Ethernet patch cord provided. Attach your local LAN to the 860C CO LAN ports with Ethernet patch cord provided. Attach the power adapters to both 860C units. Your equipment should now be powered up and functioning.

LED indicators will provide visual operational status of the 860C units.

Sync - Slow to fast flicker on power up – indicates negotiation of a link.
Solid Green LED indicates link established and rapid pulse is traffic.
Pwr - Solid Green LED indicates that both units are receiving 5v power.
Mode - Solid Yellow LED on CPE unit only – No LED lit on CO
ACT - Yellow LEDs – Lit solid indicates the presence of local LAN
– Blinking indicates the presence of local LAN traffic

❹ For troubleshooting, first examine the backbone wiring pair and make sure you have solid connections. The Interlink Sync LED will be lit solid Green with rapid pulsing on each 860C unit to show proper connection and pairing. If the Interlink Sync LED Link is flashing slow to fast and never goes solid …. Then follow the steps below:

1) Make sure your wiring is straight through and not connected to any Telco punch down block; If so remove from the block and use Telco butt clips to bridge wire.

2) Check for a firm connection of the RJ-45 or BNC Coax connections in each 860C unit, and power is applied to the 860C CO & CPE units.

3) You can easily isolate any issue by performing an out of the box test confirm either the 860C Kit or your wiring. It is possible an outside interference has been introduced into your wiring.

Performance Settings

A DIP Switch is provided on the left side of each unit for setting line performance attributes.

If the Interlink cabling is less than 1,500ft / 457m - Set DIP Switch 3 up to the OFF position. This optimizes faster symmetrical throughput.

Default DIP settings
860 CPE – All down set in the ON position
860 CO – DIP position 1 up (OFF)
DIPs 2-4 down (ON)

If the Interlink cabling is over 1,500ft 457m - the DIP switch 3 must be down (set to ON) position for the unit to work properly.

If you are experiencing performance issues or have interference on your wiring from the surrounding environment then Set DIP Switch 2 & 4 up (OFF) position to improve the signal noise ratio. This will clear up any noise that bleeds through over your wiring and improve the 860C Kit's performance.

Technical Support

Enable-IT OEM Technical Support is available directly to customers and distributors. All support requests are processed through the online support portal. This allows us to provide assigned support ticket numbers in order to bring closure to any technical issues.

Online Technical Services

The Enable-IT Support Portal is available 24/7. No password or user account is necessary. Please use this support website as your first source for help as it contains an on line knowledge base of articles, documentation, FAQ's and other problem-solving resources. This web-based support resource provides the quickest solution to the most common technical support issues.

http://support.enableit.com

Returning Products for Warranty Repair

Enable-IT, Inc. warrants to the original purchaser of the Product ("you" or the "End User") that, for the four (4) year period commencing on the date the Product was purchased (the "Warranty Period"), the Product will be substantially free from defects in materials and

workmanship under normal use and conditions. **Electrical damage is not an item that is covered under this warranty or extended warranties.**

If authorized by Enable-IT to return a Product which does not conform to the warranty set forth above, the End User must: (1) obtain a return materials authorization (RMA) number from Enable-IT by contacting the Customer Service Dept. at 888-309-0910 between the hours of 8:00 a.m. and 5:00 p.m. PST and otherwise fully comply with Enable-IT's then-current RMA policy; (2) return the Product to Enable-IT, Inc. in its original packaging freight pre-paid; and (3) provide to Enable-IT the original receipt or bill of sale establishing the date on which the Product was purchased.

Please ship Authorized RMAs to:

Enable-IT Processing Facility
16600 Harbor Blvd, Ste I
Fountain Valley, CA 92708

Returning Products for Refund

45-Day refund applies to single kit Ethernet Extenders only and is subject to a 15% Restocking Fee. Shipments without valid / authorized RMA number or sent to our corporate Las Vegas Address can be refused and or billed for additional shipping.

ENABLE-IT LIMITED WARRANTY

Enable-IT warrants the Enable-IT 860C Extended Ethernet Kits solely pursuant to the following terms and conditions.

1. PRODUCT WARRANTY

a. Express Warranty Enable-IT warrants to the original purchaser of the Product ("you" or the "End User") that, for the four (4) year period commencing on the date the Product was purchased (the "Warranty Period"), the Product will be substantially free from defects in materials and workmanship under normal use and conditions. This warranty does not apply to Products which are resold as used, repaired or reconditioned or consumables (such as batteries) supplied with the Product. **Electrical damage is not an item that is covered under this warranty or extended warranties.** Enable-IT does not make any warranty with respect to any third party product, software or accessory supplied with or used in connection with the Product and such third party products, software and accessories, if any, are provided "AS IS." Warranty claims related to such third party products, software and accessories must be made to the applicable third party manufacturer.

b. Remedies for Breach of Warranty In the event of a breach of the foregoing warranty, Enable-IT will, in its sole discretion and at its cost and subject to the terms of the following paragraph, repair the non-conforming Product, replace the non-conforming Product with a new or reconditioned Product or refund of the purchase price for the Product. Any new or reconditioned Product provided pursuant to this paragraph is warranted as provided herein for the remainder of the original Warranty Period. THE REMEDY SET FORTH IN THIS PARAGRAPH SHALL BE THE END USER'S SOLE AND EXCLUSIVE REMEDY FOR BREACH OF THE FOREGOING WARRANTY.

c. Conditions for Warranty Qualification If authorized by Enable-IT to return a Product which does not conform to the warranty set forth above, the End User must: (1) obtain a return materials authorization (RMA) number from Enable-IT by contacting the Customer Service Dept. at 888-309-0910 between the hours of 8:00 a.m. and 5:00 p.m. PST and otherwise fully comply with Enable-IT' then-current RMA policy; (2) return the Product to Enable-IT in its original packaging freight pre-paid; and (3) provide to Enable-IT the original receipt or bill of sale establishing the date on which the Product was purchased.

Products returned to Enable-IT without an RMA number will be returned to the End User. Enable-IT shall not be responsible for damage or loss during shipment of the returned Product to Enable-IT.

d. Voiding of Warranty. The express warranty set forth above shall not apply to failure of the Product if the Product has been subjected to: (i) physical abuse, misuse, improper installation, abnormal use, power failure or surge, or use not consistent with the operating instructions provided by Enable-IT; (ii) modification (including but not limited to opening the Product housing) or repair by any party in any manner other than as approved by Enable-IT in writing; (iii) fraud, tampering, unusual physical or electrical stress, unsuitable operating or physical conditions, negligence or accidents; (iv) removal or alteration of the Product serial number tag; (v) improper packaging of Product returns; or (vi) damage during shipment (other than during the original shipment of the Product to the End User from Enable-IT, if applicable).

e. Warranty Disclaimers THE EXPRESS WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL, EXPRESS OR IMPLIED. ENABLE-IT DISCLAIMS, TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT OF THIRD PARTY RIGHTS. NO PERSON (INCLUDING WITHOUT LIMITATION, ENABLE-IT' EMPLOYEES, AGENTS, RESELLERS, OEMS OR DISTRIBUTORS) IS AUTHORIZED TO MAKE ANY OTHER WARRANTY OR REPRESENTATION CONCERNING THE PRODUCT. IF THE DISCLAIMER OF ANY IMPLIED WARRANTY IS NOT PERMITTED BY LAW, THE DURATION OF ANY SUCH IMPLIED WARRANTY IS LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, SO SUCH LIMITATIONS OR EXCLUSIONS MAY NOT APPLY. THIS WARRANTY GIVES THE END USER SPECIFIC LEGAL RIGHTS AND THE END USER MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. ENABLE-IT DOES NOT WARRANT THAT THE OPERATION OF THE PRODUCT WILL BE UNINTERRUPTED OR ERROR FREE.
ENABLE-IT IS NOT RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF ANY PROGRAMS, DATA, OR OTHER INFORMATION STORED ON OR TRANSMITTED USING THE PRODUCT.

2. **LIMITATION OF LIABILITY** IN NO EVENT SHALL ENABLE-IT BE LIABLE TO THE END USER OR ANY THIRD PARTY FOR ANY INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING OUT OF THE SALE OR USE OF THE PRODUCT (INCLUDING BUT NOT LIMITED TO LOSS OF PROFIT, USE, DATA, OR OTHER ECONOMIC ADVANTAGE), HOWEVER IT ARISES, INCLUDING WITHOUT LIMITATION BREACH OF WARRANTY, OR IN CONTRACT OR IN TORT (INCLUDING NEGLIGENCE), OR STRICT LIABILITY, EVEN IF ENABLE-IT HAS BEEN PREVIOUSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGE AND EVEN IF A LIMITED REMEDY SET FORTH IN THIS AGREEMENT FAILS OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL ENABLE-IT' LIABILITY TO THE END USER OR ANY THIRD PARTY EXCEED THE PRICE PAID FOR THE PRODUCT. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATIONS MAY NOT APPLY TO THE END USER.

3. **LICENSE AND LIMITATIONS.** The firmware and software embedded in the Product (the "Embedded Software") are licensed to you. Your use of the Product is your acceptance of the warranty terms above and the terms below. You may use the Embedded Software solely in conjunction with your use of the Product. All worldwide right, title and interest in and to the Product, or any portion thereof (including but not limited to the Embedded Software), including all copyrights, patent rights, trademarks, trade secrets, and other intellectual property rights therein and thereto, are and shall remain the exclusive property of Enable-IT and/or its licensors. You acknowledge and agree that you may not, and may not allow any third party to, (i) use the Embedded Software in a manner that is inconsistent with the above express right granted to you or (ii) modify, distribute, reproduce, decompile, disassemble, reverse engineer or otherwise attempt to discover the source code for the Embedded Software.

CONTACT US

European Sales:
+44 1 908 560200
+44 1 908 565533 fax
http://www.enable-it.eu
sales@enable-it.eu

North American Sales:
+1 888 309-0910
+1 866 389-8605 fax
http://www.enableit.com
sales@enableit.com

Asia Pacific Sales:
+61 02 8898-9622
+61 2 9939-0005 fax
http://www.enable-it.com.au
sales@enable-it.com.au

Middle East Sales:
+971-50-435-8310
http://www.enableit.com
sales@enableit.com

Other International:
+1 702-924-0402
+1 320-215-6907 fax